MODIS TECHNICAL TEAM MEETING

April 26, 1996

The MODIS Technical Team Meeting was chaired by Vince Salomonson. Present were Locke Stuart, David Herring, Dorothy Hall, Barbara Conboy, Al Fleig, Robert Murphy, Harry Montgomery, Bruce Guenther, Yoram Kaufman, Wayne Esaias, and Michael King.

1.0 SCHEDULE OF EVENTS

April 15	**Quarterly Reports due to Barbara Conboy**
April 30	MODIS ProgrammersÕ Forum at GSFC
April 30	MCST-Science Team Precursor Meeting at GSFC
May 1 - 2	MODIS Software Acceptance Review (tentative dates)
May 1 - 3	MODIS Science Team Meeting at GSFC
May 16 - 17	SWAMP Land Discipline Review
June 11 - 13	Primary Productivity Workshop at GSFC

2.0 MINUTES OF THE MEETING

2.1 Sample CZCS Data Illustrating On-Orbit Degradation

Esaias showed a sample image made from CZCS Level 2 pigment data taken over the ocean. Two additional images were convolved from the original image to show the point spread function of the scan mirror degrading on orbit. Esaias stated that if the scan mirror gets dirty there will be lots of errors in the data, underscoring the emphasis placed by MCST on aggressively characterizing the MODIS scan mirror. Esaias reiterated that spacecraft maneuvers are neededÑfor viewing both deep space and the MoonÑto correct for degradation problems such as this.

Fleig proffered that this is also partly an issue of data quality assurance. He stated that a science team member cannot validate an algorithm over a region in 1999 and expect to have the same validity in 2001.

2.2 Equal Angle Grids

A proposed list of MODIS science products that are to be produced on equal angle grids was discussed. According to Fleig, the IDS investigators want products on calendar grids, comprised of real months, real quarters, and a slightly variable case of the first ten days of a month, the second ten days, and then however many days are left (8 - 11 depending on the month). This calendar grid is preferred, rather than gridding on repeat periods based on instrument coverage. It had been suggested that this could be done by interpolation from the planned MODIS time intervals.

King, Esaias, and Kaufman felt that the calendar grid was not acceptable and said they would have to accumulate daily values into the IDS-desired timescale, rather than interpolate. It was further felt that MODIS should delay answering this request until after the May 2 discussion of Temporal Compositing Periods and Spatial Grids. Kaufman suggested that we should include all of the other Level 3 products in any answer we give SWAMP, and there was substantial support for that.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward
1. *B. Barnes*: Report on SBRSÕ revised test plan at the next Technical Team Meeting.
2. *R. Murphy*: Meet with Yoram Kaufman and Harry Montgomery to resolve the band 1 & 2 saturation issue and determine whether it impacts the atmospheric narrow band filter.